

Setup and Compilation

1.) Download and unzip the submission from Github

2.) The submission includes:

- main.c
- symbolTable.h
- symbolTable.c
- lexer.h
- lexer.c
- parser.h
- parser.c
- Makefile
- run (bash script)
- UsersManual.doc (this document)
- a1 (file)
- a2 (file)
- a3 (file)
- a4 (file)
- a5 (file)
- a6 (file)
- a7 (file)
- a8 (file)

3.) **Environment:** This program has been tested in the multi-platform lab and will run there.

- 4.) **Compiling:** This program includes a Makefile and a bash script. At the command line in Linux, type 'bash ./run' which will both compile and run the program. Or you can type 'make clean main' which will produce an executable called main.
- 5.) **Running the Program:** Be sure a1, a2, a3, a4, a5, a6, a7, a8 files are in the same directory as the run bash script. Issue the command 'bash ./run' Files a1, a2, a3, a4, a5, a6, a7, a8 are command line arguments but does not require the user to input them.

User input: No user interaction with the program is required.

Output: All output goes to the console. Output will be similar to this:

Compiling a1

Line 3: Identifier Cannot End with an Underscore

Compiling a2

success

Identifiers: a, b

Compiling a3

Line 4: syntax error expected ')'

Compiling a4

success

Identifiers: a, b, c, d, e, f, ghijk, hello

Compiling a5

Line 6: syntax error expected '='

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Compiling a6

success

Identifiers: a, b, c, d, e, f, ghijk, hello, e_tt

Compiling a7

Line 4: syntax error expected 'begin'

Compiling a8

success

Identifiers: a, b, c, d, e, f, ghijk_9876, b_3, hello, a_sdf